



## Protocol Insight Announces the release of version 1.0 of their Universal Flash Storage (UFS) MIPI® Test Executive

**UFS20COMP Test Executive provides deep packet inspection, protocol aware rule checking, and complete test coverage of the UFS standard for mobile computing memory devices**

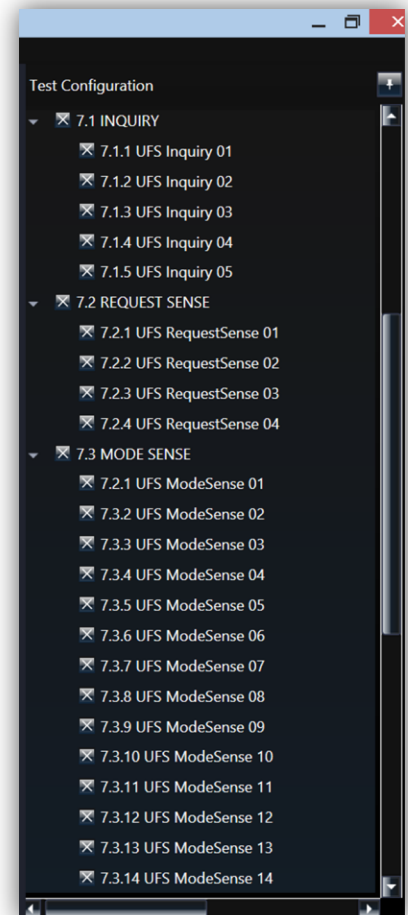
Colorado Springs, Colorado, November 10, 2014 - Protocol Insight today announced that version 1.0 of their [UFS20COMP UFS Test Executive](#) is now publicly available; previously it was only offered as an early beta to select customers.

Protocol Insight's UFS20COMP Test Executive, first announced in June at the [MIPI Alliance](#) meeting in Budapest, Hungary, provides complete analysis of the packet protocol characteristics of Universal Flash Storage (UFS) devices, to debug and verify interoperability with compliant devices.

The Test Executive analyzes the entire UFS response packet for conformance to the JESD220B UFS 2.0 and UniPro 1.6 specs. For example, the Test Executive evaluates over 30 of the major protocol characteristics of the Inquiry response packet, including the Basic UPIU Header, Data In and Response UPIUs, when performing Inquiry Test Case 7.1.1, even though only 4 checks are required to pass the JESD224 CTS.

UFS20COMP also performs compliance testing to the JEDEC JESD224 UFS Protocol CTS, for UFS v2.0 and UniPro v1.6.

- 17 test categories are currently supported:
  - Inquiry
  - Request Sense
  - Mode Sense
  - Mode Select
  - Start Stop
  - Format Unit
  - Test Unit Ready
  - Verify
  - Send Diagnostic
  - Report LUNs
  - Synchronize Cache
  - Pre Fetch 10
  - UFS Task Management
  - UFS Descriptor
  - UFS Flag
  - UFS Attribute
  - UFS UPIU
- Over 100 individual tests are included, for all permutations of LUN, Speed and Link Width supported by Keysight's U4431A MIPI analyzer.
- Additional test categories and tests will be added in subsequent releases for a total of over 200 tests in 30 test categories.





## **Pricing and availability:**

UFS20COMP Test Executive v1.0 is available now. It is offered as a 12 month license with an annual renewal option, and operates in conjunction with the Keysight Technologies U4431A MIPI M-PHY protocol analyzer. Contact [sales@protocolinsight.com](mailto:sales@protocolinsight.com) for pricing information.

## **About Protocol Insight:**

Protocol Insight ([www.protocolinsight.com](http://www.protocolinsight.com)) offers test and measurement (T&M) software tools to customers who are developing products for the mobile computing and cloud computing market, and consulting and design services to engineers designing serial protocol interfaces.

Protocol Insight staff have extensive experience developing T&M protocol tools, having been involved in the industry's first Bluetooth, PCI Express, MIPI D-PHY and MIPI M-PHY protocol analyzer, exerciser, and compliance products.

Protocol Insight is a MIPI expert, with a background developing both D-PHY and M-PHY protocol exercisers and analyzers. Protocol Insight staff have contributed to the development of the UniPro standard thru the UniPro Working Group, and have had direct interaction and collaborated with strategic MIPI customers and industry leaders worldwide, in marketing, business development and co-development roles.

Protocol Insight offers MIPI test capability, and serial protocol and MIPI design consulting services.

## **About the MIPI Alliance**

The MIPI Alliance is a global, collaborative organization comprised of companies that span the mobile ecosystem and are committed to defining and promoting interface specifications for mobile devices.

The MIPI® Alliance is a non-profit corporation that operates as an open membership organization. All companies in the mobile device industry are encouraged to join, including semiconductor companies, software vendors, IP providers, peripheral manufacturers, test labs and end product OEMs. Today, more than 250 member companies actively participate in the Alliance, developing interface specifications which drive consistency in processor and peripheral interfaces, promoting reuse and compatibility in mobile devices.

## **Contact:**

Ross Nelson  
+1 (503) 367-5656  
[rossn@protocolinsight.com](mailto:rossn@protocolinsight.com)

MIPI and the MIPI logo are a licensed trademark of the MIPI Alliance.

JEDEC® and the JEDEC logo are registered trademarks of JEDEC Solid State Technology Association.

PCI-SIG®, PCI™, PCI Express®, and PCIe® are registered or unregistered marks of PCI-SIG.

The Bluetooth figure mark, word mark and combined mark are the property of the Bluetooth SIG.